wed for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

UTILITY **PATENT APPLICATION TRANSMITTAL**

Attorney Docket No. 16869S030500 First Inventor Hagawara, Yoshinobu METHOD OF DETECTING AND MEASURING A MOVING OBJECT AND APPARATUS THEREFOR, AND A RECORDING MEDIUM FOR RECORDING A PROGRAM FOR DETECTING AND MEASURING A Title

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Express Mail Label No. EL695656039US

MOVING OBJECT

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|---|--|---|---------------------------------------|-------------------|---|----------------|----------------------------------|------------------------------|----|--|--|
| See MPEP (| | erning design patent a | | | ADDRESS TO Box Patent Application Washington, DC 20231 | | | | | | |
| | | Form (e.g., PTO/S | · | | | | | | | | |
| 2. 🔲 🖟 | Submit an origina | l and a duplicate for fe small entity status | e processing) | | 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) | | | | | | |
| 3. S (| Specification preferred arrange Descriptive title o Cross Reference Statement Regar Reference to seq | [Total ment set forth below) if the Invention is to Related Application ding Fed sponsored Ruence listing, a table, | : & D |] | a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper number of pages c. Statements verifying identity of above copies | | | | | | |
| | a computer progr Background of th | am listing appendix | | | ACCOMPANYING APPLICATIONS PARTS | | | | | | |
| - - - | Brief Summary of Brief Description Detailed Descript Claim(s) | f the Invention of the Drawings <i>(if file</i> ion | ed) | | 9. Assignment Papers (cover sheet & document(s)) 10. 37 C.F.R.§3.73(b)Statement Power of (when there is an assignee) Attorney | | | | | | |
| - | Abstract of the Di | sclosure | | | 11. 🔲 | English Tra | anslation Docu | ment (if applicable) | | | |
| _ | orawing(s) (35 U | · · · · · · | al Sheets 15 |] | 12. 🛛 | | Disclosure (IDS)/PTO-14 | Copies of IDS Citations (2) | 3 | | |
| | | ed (original or copy) | • — | ' [| 13. 🔲 | Preliminary | / Amendment | | | | |
| _ | • | rior application (37 | | ı | 14. 🛛 | | eipt Postcard | | | | |
| | • | tion/divisional with | , | a) | 15. 🗍 | • | specifically ite | • | · | | |
| i. [| | OF INVENTOR(S | → | | 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) | | | | | | |
| | | nt attached deleting in ior application, see 37 | | | 16. Nonpublication Request under 35 U.S.C. | | | | | | |
| | 1.63(d)(2) and 1 | 1.33(b). | | | 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent | | | | | | |
| 6. 🛛 Apr | Application Data Sheet. See 37 CFR 1.76 17. Other: | | | | | | | | | | |
| | | | • | pply th | he requisit | e information | below and in a | preliminary amendment, | | | |
| | | eet under 37 CFR 1. | | 10 | \(\mu_\) | | | | | | |
| Conti | ınuaนon plication informatio | ☐ Divisional on: Examiner | ☐ Continuation-in- | рап (С | AP) | - | or application No o Art Unit: |):/ | 1 | | |
| For CONTIN | IUATION or DIVIS | SIONAL APPS only: | The entire disclosu | re of t | the prior a | pplication, fr | om which an o | th or declaration is supplie | ed | | |
| under Box 5b, is considered a part of the disclosure of the accompanying continuati reference. The incorporation can only be relied upon when a portion has been inadv | | | | | | | | | | | |
| | • | <u> </u> | 19. CORRESP | | | | | | | | |
| ⊠ Custon | mer Number or Ba | | sert Customer No. o | 20350 or Attac | | label here) | or 🗆 Co | orrespondence address below | w | | |
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| Country | | | Telephone | | | <u>-</u> | Fax | | , | | |
| Name (Pr | rint/Type) | Mark D. Barrish | · · · · · · · · · · · · · · · · · · · | Re | Registration No. (Attorney/Agent) 36,443 | | | | | | |
| Signature |) | 1/5 / | -6 | 2 | | Date | July 31, 2001 | | | | |

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Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 710

| Complete if Known | | | | | | | |
|----------------------|---------------------|--|--|--|--|--|--|
| Application Number | | | | | | | |
| Filing Date | | | | | | | |
| First Named Inventor | Hagawara, Yoshinobu | | | | | | |
| Examiner Name | | | | | | | |
| Group Art Unit | | | | | | | |
| Attorney Docket No. | 16869S-030500US | | | | | | |

| METHOD OF PAYMENT | | | | | | | FEE CALCULATION (continued) | | | | | |
|---|--|--------------|---|---------------------------------------|---------------------------------|--------------------|-----------------------------|-----------------------|-------------|---|--|------|
| The Commissioner is hereby authorized to charge | | | | | | 3. ADDITIONAL FEES | | | | | | |
| 1. 🖾 | | indicate | indicated fees and credit any over payments to: | | | | | Entity | Small | Entity | | |
| Depo | eit | | | | | 1 | Fee | Fee | Fee | Fee | Fee Description | Fee |
| Acco | unt | 20-1 | 430 | | | | Code 105 | (\$) 130 | Code 205 | (\$) 65 | Surcharge - late filing fee or oath | Paid |
| | Number | | | | | 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet. | | |
| Deposit Account Townsend and Townsend and Crew LLP | | | | | | 139 | 130 | 139 | 130 | Non-English specification | | |
| Account Townsend and Townsend and Olew ELF | | | | | | 147 | 2,520 | 147 | 2,520 | For filing a request for reexamination | | |
| Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 | | | | | | | 112 | 920° | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| | Applicant of See 37 CF | | all entit | y status. | | | 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 2. 🗌 | Paymer | nt Enclos | sed: | | | | 115 | 110 | 215 | 55 | Extension for reply within first month | |
| _ · | Check | ☐ Cred | dit card | ☐ Money Order | ☐ Other | | 116 | 390 | 216 | 195 | Extension for reply within second month | |
| | | | FFF C | ALCULATION | | | 117 | 890 | 217 | 445 | Extension for reply within third month | |
| 1. E | SASIC FIL | | | ALCULATION | | | 118 | 1,390 | 218 | 695 | Extension for reply within fourth month | |
| Large | Entity S | Small E | ntity | | | | 128 | 1,890 | 228 | 945 | Extension for reply within fifth month | |
| Fee | | | ee | Fee Description | | | 119 | 310 | 219 | 155 | Notice of Appeal | |
| Code | *** | - | \$) | | Fee Paid | _ | 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | |
| 101 | | | 355 | Utility filing fee | 710 | _ | 121 | 270 | 221 | 135 | Request for oral hearing | |
| 106 107 | | | 160 245 | Design filing fee Plant filing fee | | | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 108 | 710 2 | .08 3 | 355 | Reissue filing fee | , | | 140 | 110 | 240 | 55 | Petition to revive – unavoidable | · |
| 114 | 150 2 | 14 7 | 75 | Provisional filing | fee | | 141 | 1,240 | 241 | 620 | Petition to revive – unintentional | |
| | | | | | (4)740 | _ | 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) | |
| | | 205 | BTOTA | L (1) | (\$)710 | | 143 | 440 | 243 | 220 | Design issue fee | |
| 2. EXTR | A CLAIN | FEES | | | | | 144 | 600 | 244 | 300 | Plant issue fee | |
| | | | | | from Fee | | 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| Total Clain | ns 13 | 20** | = [| Claims bel | ow Paid 18 = \$0 | | 123 | 50 | 123 | 50 | Petitions related to provisional applications | |
| Independen Claims | t 3 | -3** | = [| 0 X \$ | 80 = \$0 | | 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt | |
| Multiple Dependent | | | _ | × [| = |] ` | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | |
| Large Fee | Entity Fee | Small Fee | Entit Fee | - | 1 | | 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| Code 103 | (\$) 18 | Code 203 | (\$) 9 | Fee Descript Claims in exc | | | 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 102 | 80 | 202 | 40 | Independent of | daims in excess of 3 | | 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) | |
| 104 | 270 | 204 | 135 | Multiple depe | ndent claim, if not pai | d | | | | | , | |
| 109 | 80 | 209 | 40 | ** Reissue ind original paten | lependent claims ove t | г | 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |
| 110 | 18 | 210 | 9 | ** Reissue cla over original p | ims in excess of 20 a patent | nd | | e (specif | • | | d an all areas are additional forms. | |
| | | | s | UBTOTAL (2) | (\$)0 | | | ommissio ove noted | | | ed to charge any additional fees to unt. | |
| ***** | **or number previously paid, if greater; For Reissues, see above | | | | | | *Reduc | ced by Ba | sic Filin | g Fee Pa | aid SUBTOTAL (3) (\$) | |
| Or HUIT | nei hiealon | ary para, II | An care | , reissues, se | ~ and 4c | | ł . | | | | | |

| SUBMITTED BY Complete (if applicable) | | | | | | | | | | | |
|---------------------------------------|-----------------|-----------------------------------|--------|-----------|---------------|--|--|--|--|--|--|
| Name (Print/Type) | Mark D. Barrish | Registration No. (Attorney/Agent) | 36,443 | Telephone | 650-326-2400 | | | | | | |
| Signature | Mul D | 1 B I | | Date | July 31, 2001 | | | | | | |

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